(FILE 'HOME' ENTERED AT 15:33:28 ON 19 JUL 2005)

FILE 'HCAPLUS, WPIX, JAPIO, JICST-EPLUS' ENTERED AT 15:34:55 ON 19 JUL
2005

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L1      70867  S   (POLYMER? OR COPOLYMER? OR MONOMER? OR
                   HOMOPOLYMER? OR ORGANIC OR PLASTIC OR THERMOPLASTIC OR
                   THERMOSET? OR ORGANIC)(3A)(DIELEC? OR INSULAT?)
L2      68272  S   (EXPOS#### OR SURFACE)(3A)(AROMATIC OR
                   PHEN### OR BENZ#### OR RING OR CYCLIC OR HETEROCYCLIC OR
                   ARYL###)
L3     129144  S   (CRYST######## OR POLYCRYST#####)(3A)(POLY
                   MER? OR COPOLYMER? OR MONOMER? OR HOMOPOLYMER? OR ORGANIC OR
                   PLASTIC OR THERMOPLASTIC OR THERMOSET? OR ORGANIC)
L4      27030  S   SEMICONDUCT######(3A)(POLYMER? OR COPOLYMER
                   ? OR MONOMER? OR HOMOPOLYMER? OR ORGANIC OR PLASTIC OR
                   THERMOPLASTIC OR THERMOSET? OR ORGANIC)
L5      64201  S   (CRYST######## OR POLYCRYST#####)(3A)
                   SEMICONDUCT######
L6     110571  S   (EXPOS#### OR SURFACE)(3A)(INSULAT#######
                   OR DIELEC#######)
L7          2  S   L1 AND L2 AND L3 AND L4 AND L5 AND L6
               D TI 1-2
               D ALL 1
               D MAX 2
L8          2  S   L1 AND L2 AND L3 AND L4 AND L5
L9          2  S   L1 AND L2 AND L3 AND L4 AND L6
L10         2  S   L1 AND L2 AND L3 AND L4
L11         7  S   L1 AND L2 AND L3
L12        23  S   L4 AND L5 AND L6
L13         3  S   L2 AND L3 AND L4
L14       605  S   L3 AND L4 AND L5
L15        49  S   L1 AND L3 AND L5
L16         5  S   L2 AND L4 AND L6
L17       635  S   (L8 OR L9 OR L10 OR L11 OR L12 OR L13 OR
                   L14 OR L15 OR L16) NOT L7
L18        60  S   L17 AND ?THIOPHEN?
L19        26  S   L17 AND THIOPHEN?
L20         5  S   L17 AND THIEN?
L21         0  S   L17 AND BITHIEN?
L22         0  S   L17 AND TRITHIEN?
L23         4  S   L17 AND BITHIOPHEN?
L24         3  S   L17 AND DITHIOPHEN?
L25         0  S   L17 AND TRITHIOPHEN?
L26         0  S   L17 AND TETRATHIOPHEN?
L27         0  S   L17 AND PENTATHIOPHEN?
L28         1  S   L17 AND HEXATHIOPHEN?
L29        59  S   (L18 OR L19 OR L20 OR L21 OR L22 OR L23 OR
                   L24 OR L25 OR L26 OR L27 OR L28) AND (CRYST######## OR
                   POLYCRYST#########)(5A) SEMICOND########
L30         7  S   L17 AND METHACRYL?
L31         5  S   L17 AND MOIETY
L32         2  S   L29 AND (ORGANIC OR POLYMER?)(5A)(DIELEC###
                   ####)
L33        27  S   (L20 OR L21 OR L22 OR L23 OR L24 OR L25 OR
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                    L26 OR L27 OR L28) OR (L30 OR L31 OR L32)
                    D TI 1-27
L34           5  S  (L18 OR L19 OR L20 OR L21 OR L22 OR L23 OR
                    L24 OR L25 OR L26 OR L27 OR L28 OR L29 OR L30 OR L31 OR L32 OR
                    L33) AND POLYCRYST?(5A) SEMICOND########
L35           5  S  L34 NOT L7
                    D TI 1-5
                    D ALL 1-5
L36           3  S  DIELEC?(8A)(AROMATIC OR BENZ##### OR
                    PHEN##### OR ARYL#### OR RING## OR CYCLIC) AND (L8 OR L9 OR
                    L10 OR L11 OR L12 OR L13 OR L14 OR L15 OR L16 OR L17 OR L18 OR
                    L19 OR L20 OR L21 OR L22 OR L23 OR L24 OR L25 OR L26 OR L27 OR
                    L28 OR L29 OR L30 OR L31 OR L32 OR L33)
L37           2  S  L36 NOT (L35 OR L7)
                    D TI 1-2
                    D ALL 1-2


      FILE 'REGISTRY' ENTERED AT 15:54:54 ON 19 JUL 2005
L38      305504  S  THIOPHEN?
L39      239408  S  L38 AND (METHYL? OR ETHYL? OR PROPYL? OR
                    BUTYL? OR PENTYL? OR HEXYL? OR HEPTYL? OR OCTYL? OR NONYL? OR
                    DECYL? OR UNDECYL? OR DODECYL? OR CETYL?)
L40       12504  S  L39 AND (QUATERTHIO? OR HEXYLPHENYL? OR
                    TERTHIO? OR PENTATHIOPHEN? OR BITHIOPHEN? OR NAPHTHALEN?)
L41           5  S  (VINYLPHEN? OR VINYL PHEN####) AND
                    (HYDROXYETH? OR HYDROXYETHYL?) AND CO AND 2 AND METHAC?
                    D IDE 1-5
L42           8  S  (VINYLPHEN? OR VINYL PHEN####) AND
                    (HYDROXYETH? OR HYDROXYETHYL?) AND METHAC?
L43        3214  S  TERTHIOPHEN?
L44          84  S  TRITHIOPHEN?
L45       13693  S  L40 OR L43 OR L44
L46       10472  S  METHACRYL? AND (VINYLPHEN? OR HYDROXYETH?)


      FILE 'HCAPLUS' ENTERED AT 16:05:07 ON 19 JUL 2005
L47          65  S  (L41 OR L42)
L48         323  S  ((L41 OR L42) OR L46)(L)(DIELEC###### OR
                    INSULAT######)

      FILE 'HCAPLUS' ENTERED AT 16:05:28 ON 19 JUL 2005
L49          65  S  (L41 OR L42)
L50         168  S  ((L41 OR L42) OR L46)(L)AROMATIC
L51        1162  S  ((L41 OR L42) OR L46)(L)(FUNCTIONAL#######
                    OR GROUPS OR SUBSTITUENTS OR SUBSTITUTED OR ARYL#####)
L52         221  S  L45(L)(CRYST########## OR POLYCRYST#######
                    OR GRAIN###)
L53         124  S  L45(L)SEMICOND########
L54         160  S  L45(L)(TRANSISTOR OR FET OR MOSFET OR TFT
                    OR MICROELECTRONIC)
L55          20  S  L52 AND (L53 OR L54)
L56           1  S  (L47 OR L48 OR L49 OR L50 OR L51) AND L55
L57        1311  S  (L47 OR L48 OR L49 OR L50 OR L51 OR L52 OR
                    L53 OR L54 OR L55) AND (L50 OR L51)
L58         440  S  (L47 OR L48 OR L49 OR L50 OR L51 OR L52 OR
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                      L53 OR L54 OR L55) AND (L52 OR L53 OR L54)
L59          0  S     L57 AND L58
L60        224  S     (L57 OR L58) AND (SEMICONDUCT###### OR
                      EXPOS####(4A)AROMATIC OR POLYCRYST?)
L61         77  S     L60 AND ((L41 OR L42 OR L43 OR L44))
L62         19  S     L60 AND L46
L63          2  S     L61 AND L62
L64          1  S     L63 NOT L56
                D ALL HITSTR
L65          3  S     (L40 OR L41 OR L42 OR L43 OR L44 OR L45 OR
                      L46) AND EXPOS####(4A)AROMATIC
L66         11  S     SEMICOND###### AND EXPOS####(4A)AROMATIC
L67       1803  S     SEMICOND###### AND EXPOS####(8A)DIELEC####
                      ##
L68       2997  S     EXPOS####(8A)DIELEC#######
L69       2721  S     EXPOS####(8A)AROMATIC##
L70       2996  S     EXPOS####(8A)DIELEC######
L71          3  S     L68 AND L69 AND L70
L72         12  S     (L66 OR L71) NOT (L64 OR L56)
                D ALL TOT
L73       3416  S     AROMATIC(6A)SURFACE
L74       1485  S     AROMATIC(6A)DIELEC#####
L75      13708  S     SURFACE(6A)DIELEC#####
L76         12  S     L73 AND L74 AND L75
L77         12  S     L76 NOT (L72 OR L64 OR L56)
L78          0  S     (L46 OR ?METHACRYL?) AND L77
L79          0  S     (?THIOPHEN? OR ?THIEN?) AND L77
                D L77 ALL TOT
L80         13  S     ((L41 OR L42) OR L46) AND (L40 OR (L43 OR
                      L44 OR L45))
L81         11  S     L80 NOT (L77 OR L72 OR L64 OR L56)
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FILE 'HCAPLUS' ENTERED AT 10:53:56 ON 19 JUL 2005
L1          1  S    US20050093031/PN
L2             SEL PLU=ON  L1 1- RN :        24 TERMS
L3             SEL PLU=ON  L1 1- NCL ECLA FTERM IC :        42 TERMS
L4     343954  S    L2
L5      20405  S    L3
L6       5439  S    L4 AND L5
L7      27609  S    (EXPOS##### OR SURFACE)(5A)(AROMATIC#####
                    OR ARYL### OR BENZ##### OR PHENYL#####)
L8       1124  S    (L4 OR L5) AND L7
L9       4325  S    (EXPOS#### OR SURFACE)(5A)(GROUP OR
                    SUBSTIT######) AND (L4 OR L5)
L10      5250  S    (L8 OR L9)
L11       211  S    L10 AND (POLYSI? OR POLYCRYST? OR POLY
                    CRYST#########)
L12         3  S    L10 AND POLY(W)(SI OR SILICON)
L13         0  S    L10 AND POLY LAYER
L14      3023  S    (L4 OR L5) AND POLY(W)(SI OR SILICON)
L15        47  S    (L4 OR L5) AND POLY LAYER
L16     24067  S    (L4 OR L5) AND (POLYSI? OR POLYCRYST? OR
                    POLY CRYST#########)
L17      5988  S    ORGANIC(2A)SEMICONDUCT#########
L18      1726  S    L6 AND (L7 OR L8 OR L9 OR L10 OR L11 OR
                    L12 OR L13 OR L14 OR L15 OR L16 OR L17)
L19        92  S    L18 AND L17
L20      1637  S    L18 AND (L14 OR L15 OR L16)
L21         9  S    L18 AND (L7 OR L8 OR L9)
L22         8  S    L19 AND L20
L23       209  S    L4 AND (L7 OR L8 OR L9) AND (L11 OR L12 OR
                    L13 OR L14 OR L15 OR L16)
L24         2  S    L23 AND L17
L25        20  S    L23 AND SEMICOND########
L26        57  S    L23 AND ORGANIC
L27        78  S    (L11 OR L15 OR L19 OR (L23 OR L24 OR L25
                    OR L26)) AND (DIELEC#######  OR INSULAT########)(5A)(FILM OR
                    ?COAT? OR ?LAYER? OR MEMBRAN#####)
L28         0  S    L11 AND L15
L29         2  S    L11 AND L19
L30        20  S    L11 AND L25
L31        57  S    L11 AND L26
L32         0  S    L15 AND L19
L33         0  S    L15 AND L26
L34        34  S    L12 OR (L21 OR L22) OR L24 OR L25 OR (L29
                    OR L30)
L35         1  S    L26 AND DIELEC?
L36        34  S    (L34 OR L35)
L37        52  S    L27 AND DIELEC?
L38         5  S    L27 AND DIELEC?/TI
L39        36  S    (L34 OR L35 OR L36) OR L38
L40        59  S    (L11 OR L15 OR L19 OR (L23 OR L24 OR L25
                    OR L26)) AND DIELEC#####
L41       133  S    (L11 OR L15 OR L19 OR (L23 OR L24 OR L25
                    OR L26)) AND (GROUPS OR SUBSTUTUENTS OR FUNCTIONAL)
L42         5  S    L40 AND L41
L43         6  S    (L11 OR L15 OR L19 OR (L23 OR L24 OR L25
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                    OR L26)) AND DIELEC#####/TI
L44        38  S   (L38 OR L39) OR (L42 OR L43)
L45        37  S   L44 AND L4
L46        17  S   L44 AND L5
L47        38  S   (L45 OR L46)
               D ALL HITSTR TOT
L48     14433  S   EXPOS#####(4A)(BOND OR GROUP OR FUNCTIONAL
                   OR SUBSTIT#########)
L49     36648  S   EXPOS#####(4A)SURFACE
L50     50054  S   SURFACE(4A)(BOND OR GROUP OR FUNCTIONAL OR
                   SUBSTIT#########)
L51       340  S   L48 AND L49 AND L50
L52       340  S   (L4 OR L5 OR L6 OR L7 OR L8 OR L9 OR L10
                   OR L11 OR L12 OR L13 OR L14 OR L15 OR L16 OR L17 OR L18 OR L19
                   OR L20 OR L21 OR L22 OR L23 OR L24 OR L25 OR L26 OR L27 OR L28
                   OR L29 OR L30 OR L31 OR L32 OR L33 OR L34 OR L35 OR L36 OR L37
                   OR L38 OR L39 OR L40 OR L41 OR L42 OR L43 OR L44 OR L45 OR L46
                   OR L47 OR L48 OR L49 OR L50) AND L51
L53        24  S   L52 AND SEMICONDUCT##########
L54         2  S   L52 AND DIELEC#########
L55        24  S   (L53 OR L54) NOT L47
L56         3  S   L55 AND L4
               D ALL HITSTR TOT
L57        21  S   L55 NOT L56
L58         2  S   L57 AND (BENZ###### OR ARYL####### OR
                   ?CYCLIC? OR RING OR PHEN##### OR AROMATIC?)
L59            SEL PLU=ON  L58 1- RN :        8 TERMS
L60     34248  S   L59
L61         2  S   L58 AND L60
               D ALL HITSTR TOT
L62         2  S   L52 AND ORGANIC(2A)SEMICOND?
L63         0  S   L62 NOT (L61 OR  L56 OR L47)
L64        71  S   ORGANIC SEMICOND? AND DIELEC? AND L4
L65        65  S   L64 NOT (L61 OR  L56 OR L47)
L66        18  S   L65 AND SURFACE
L67         6  S   L65 AND (GROUPS OR SUBSTITUENTS OR
                   REACTIVE)
L68        21  S   (L66 OR L67)
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